Unit 2 Practice Questions – THE DOCTORS SURGERY.

Part A Set Task Brief

You are advised to spend 10 minutes reading the Task Scenario and the activities you are to complete.

You may make notes and/or highlight information to use in the completion of the documents you need to produce for your task.

Task Scenario

You have been asked to create a database for the East Berkshire Doctors Surgery. Currently all records are stored on a spreadsheet.

The surgery would like to be able to store and report on surgery visits. Currently staff have two types of speciality – GP and Nurse. The surgery would like to have more specialised doctors and nurses in the future, but each member of staff will continue to have a single speciality. The database will record information about:

- Staff
- Patients
- The appointments on a given day.

Each doctor must see at least one patient in a day.

A patient cannot see more than one doctor in a day.

An Appointment Type can be a single or a double session identified as 1 or 2.

There are two types of patient: Private and NHS. Privately funded patients are sent a bill of £50 for each visit to the Doctor.

A doctor cannot see more than 2 privately funded patients in a single day.

When an appointment is made the staff and the patient are selected.

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The Doctors Surgery Sample Data

Appointment ID	StaffID	PatientID	Staff Speciality	Appointment Date	Appointment Type	House Number	Speciality ID	Postcode	Patient Type	Staff Surname	Patient Surname
1	1	27	GP	27/07/2020	1	5	1	RG4 8NP	Private	Smith	Iqbal

Figure 1 Sample Data for the Doctors Surgery.

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Activity 4: Structure Testing (45 minutes)

Test the structure of the validation of your relational database using suitable test data

(normal, erroneous and extreme as appropriate).

You must provide evidence of table level testing that proves:

1. a patient record will not save without the surname of the patient being present
2. a patient record will not save if the postcode is not in the correct format

complete the test log to show how you have tested the structure of your database.

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